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A micromechanical damage model for effective elastoplastic behavior of partially debonded ductile matrix composites

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| # | Paper | IF | Citations |
|----|---|-----|-----------|
| 89 | Effect of particle cracking on elastoplastic behaviour of metal matrix composites. <i>International Journal for Numerical Methods in Engineering</i> , 2003 , 56, 2183-2198 | 2.4 | 39 |
| 88 | Quantitative description and numerical simulation of random microstructures of composites and their effective elastic moduli. <i>International Journal of Solids and Structures</i> , 2003 , 40, 47-72 | 3.1 | 79 |
| 87 | Elastoplastic modeling of metal matrix composites with evolutionary particle debonding. <i>Mechanics of Materials</i> , 2003 , 35, 559-569 | 3.3 | 78 |
| 86 | Concrete under complex loading: mesomechanical model of deformation and of cumulative damage. <i>European Journal of Mechanics, A/Solids</i> , 2004 , 23, 63-75 | 3.7 | 8 |
| 85 | A computational investigation of crack evolution and interactions of microcracks and particles in particle-reinforced brittle composites. <i>Composite Structures</i> , 2004 , 64, 419-431 | 5.3 | 6 |
| 84 | Generalized plane strain finite element model for the analysis of elastoplastic composites. <i>International Journal of Solids and Structures</i> , 2005 , 42, 2361-2379 | 3.1 | 16 |
| 83 | Constitutive Equation of Concrete: Mesomechanical Isotropic Model. <i>Multidiscipline Modeling in Materials and Structures</i> , 2005 , 1, 183-193 | 2.2 | 1 |
| 82 | Loosening of elastic inclusions. <i>International Journal of Solids and Structures</i> , 2006 , 43, 1638-1668 | 3.1 | 25 |
| 81 | Micromechanics-based constitutive modeling for unidirectional laminated composites. <i>International Journal of Solids and Structures</i> , 2006 , 43, 5674-5689 | 3.1 | 29 |
| 80 | Effective Elastoplastic Damage Mechanics for Fiber-reinforced Composites with Evolutionary Complete Fiber Debonding. <i>International Journal of Damage Mechanics</i> , 2006 , 15, 237-265 | 3 | 50 |
| 79 | Micromechanics of Heterogeneous Materials. 2007 , | | 88 |
| 78 | A thermodynamics based damage mechanics model for particulate composites. <i>International Journal of Solids and Structures</i> , 2007 , 44, 1099-1114 | 3.1 | 49 |
| 77 | Micromechanics-based elastic damage modeling of particulate composites with weakened interfaces. <i>International Journal of Solids and Structures</i> , 2007 , 44, 8390-8406 | 3.1 | 48 |
| 76 | Ductile damage micromodeling by particles debonding in metal matrix composites. <i>International Journal of Mechanical Sciences</i> , 2007 , 49, 151-160 | 5.5 | 11 |
| 75 | A numerical model for calculation of stress intensity factors in particle-reinforced metal matrix composites. <i>International Journal of Mechanics and Materials in Design</i> , 2007 , 3, 201-208 | 2.5 | 5 |
| 74 | Effect of crack position on stress intensity factor in particle-reinforced metal-matrix composites. <i>Mechanics Research Communications</i> , 2008 , 35, 209-218 | 2.2 | 9 |
| 73 | Multi-level modeling of effective elastic behavior and progressive weakened interface in particulate composites. <i>Composites Science and Technology</i> , 2008 , 68, 387-397 | 8.6 | 33 |

| | | | |
|----|---|-----|-----|
| 72 | Tensile flow stress of ceramic particle-reinforced metal in the presence of particle cracking. <i>Acta Materialia</i> , 2008 , 56, 4402-4416 | 8.4 | 16 |
| 71 | An elastoplastic multi-level damage model for ductile matrix composites considering evolutionary weakened interface. <i>International Journal of Solids and Structures</i> , 2008 , 45, 1614-1631 | 3.1 | 21 |
| 70 | Numerical study of the influence of particle-cracking to the damage of MMC by the incremental damage theory. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2008 , 492, 370-376 | 5.3 | 8 |
| 69 | Micromechanical Elastoplastic Damage Modeling of Progressive Interfacial Arc Debonding for Fiber Reinforced Composites. <i>International Journal of Damage Mechanics</i> , 2008 , 17, 307-356 | 3 | 43 |
| 68 | Effective Elastoplastic Damage Mechanics for Fiber Reinforced Composites with Evolutionary Partial Fiber Debonding. <i>International Journal of Damage Mechanics</i> , 2008 , 17, 493-537 | 3 | 28 |
| 67 | 3D Micromechanics and Effective Moduli for Brittle Composites with Randomly Located Interacting Microcracks and Inclusions. <i>International Journal of Damage Mechanics</i> , 2008 , 17, 377-417 | 3 | 18 |
| 66 | Micromechanical Elastoplastic Damage Mechanics for Elliptical Fiber-Reinforced Composites with Progressive Partial Fiber Debonding. <i>International Journal of Damage Mechanics</i> , 2009 , 18, 639-668 | 3 | 33 |
| 65 | Effective elastic moduli of three-phase composites with randomly located and interacting spherical particles of distinct properties. <i>Acta Mechanica</i> , 2009 , 208, 11-26 | 2.1 | 28 |
| 64 | Mechanical and thermal properties of chicken feather fiber/PLA green composites. <i>Composites Part B: Engineering</i> , 2009 , 40, 650-654 | 10 | 204 |
| 63 | An RVE-based micromechanical analysis of fiber-reinforced composites considering fiber size dependency. <i>Composite Structures</i> , 2009 , 90, 418-427 | 5.3 | 13 |
| 62 | Micromechanics-based elastic-damage analysis of laminated composite structures. <i>International Journal of Solids and Structures</i> , 2009 , 46, 3138-3149 | 3.1 | 11 |
| 61 | Cohesive Micromechanics: A New Approach for Progressive Damage Modeling in Laminated Composites. <i>International Journal of Damage Mechanics</i> , 2009 , 18, 691-719 | 3 | 22 |
| 60 | Elastoplastic modeling of circular fiber-reinforced ductile matrix composites considering a finite RVE. <i>International Journal of Solids and Structures</i> , 2010 , 47, 827-836 | 3.1 | 13 |
| 59 | Prediction of Incipient Damage Sites in Composites using Classifiers. <i>International Journal of Damage Mechanics</i> , 2010 , 19, 233-260 | 3 | 10 |
| 58 | Surface Energy Effect on Damage Evolution in a Viscoelastic Nanocomposite. <i>International Journal of Damage Mechanics</i> , 2010 , 19, 949-970 | 3 | 10 |
| 57 | A constitutive model of particulate-reinforced composites taking account of particle size effects and damage evolution. <i>Composites Part A: Applied Science and Manufacturing</i> , 2010 , 41, 313-321 | 8.4 | 38 |
| 56 | An incremental damage theory for micropolar composites taking account of progressive debonding and particle size effect. <i>Computational Materials Science</i> , 2011 , 50, 3358-3364 | 3.2 | 7 |
| 55 | A material model for cementitious composite materials with an exterior point Eshelby microcrack initiation criterion. <i>International Journal of Solids and Structures</i> , 2011 , 48, 3312-3325 | 3.1 | 24 |

| | | | |
|----|--|-----|-----|
| 54 | Elastic-damage Modeling for Particulate Composites Considering Cumulative Damage. <i>International Journal of Damage Mechanics</i> , 2011 , 20, 131-158 | 3 | 16 |
| 53 | On the experimental and numerical investigation of clay/epoxy nanocomposites. <i>Composite Structures</i> , 2012 , 94, 3142-3148 | 5-3 | 34 |
| 52 | Interfaces in Macro- and Microcomposites. 2012 , 83-109 | | 1 |
| 51 | Effective Elastic Moduli of Spherical Particle Reinforced Composites Containing Imperfect Interfaces. <i>International Journal of Damage Mechanics</i> , 2012 , 21, 97-127 | 3 | 88 |
| 50 | New higher-order bounds on effective transverse elastic moduli of three-phase fiber-reinforced composites with randomly located and interacting aligned circular fibers. <i>Acta Mechanica</i> , 2012 , 223, 2437-2458 | 2.1 | 8 |
| 49 | Damage Coupled Viscoplastic Modeling of Particulate Composites With Imperfect Interphase. 2012 , 1 | | 1 |
| 48 | Micromechanics-based viscoelastic damage model for particle-reinforced polymeric composites. <i>Acta Mechanica</i> , 2012 , 223, 1307-1321 | 2.1 | 17 |
| 47 | Predictions of viscoelastic strain rate dependent behavior of fiber-reinforced polymeric composites. <i>Composite Structures</i> , 2012 , 94, 1420-1429 | 5-3 | 31 |
| 46 | System reliability analysis of spatial variance frames based on random field and stochastic elastic modulus reduction method. <i>Acta Mechanica</i> , 2012 , 223, 109-124 | 2.1 | 5 |
| 45 | Effective transverse elastic moduli of three-phase hybrid fiber-reinforced composites with randomly located and interacting aligned circular fibers of distinct elastic properties and sizes. <i>Acta Mechanica</i> , 2013 , 224, 157-182 | 2.1 | 11 |
| 44 | Elastoplastic modeling of polymeric composites containing randomly located nanoparticles with an interface effect. <i>Composite Structures</i> , 2013 , 99, 123-130 | 5-3 | 16 |
| 43 | Influence of filler content and interphase properties on large deformation micromechanics of particle filled acrylics. <i>Mechanics of Materials</i> , 2013 , 57, 134-146 | 3-3 | 21 |
| 42 | Effects of fiber cracking on elastoplastic-damage behavior of fiber-reinforced metal matrix composites. <i>International Journal of Damage Mechanics</i> , 2013 , 22, 48-67 | 3 | 12 |
| 41 | Parameter estimation of a rate-dependent damage constitutive model for damage-tolerant brittle composites by Self-OPTIM analyses. <i>International Journal of Damage Mechanics</i> , 2013 , 22, 699-718 | 3 | 4 |
| 40 | Overall elastoplastic damage responses of spherical particle-reinforced composites containing imperfect interfaces. <i>International Journal of Damage Mechanics</i> , 2014 , 23, 411-429 | 3 | 15 |
| 39 | Influence of particle size and debonding damage on an elastic-plastic singular field around a crack-tip in particulate-reinforced composites. <i>Acta Mechanica</i> , 2014 , 225, 1373-1389 | 2.1 | 3 |
| 38 | Strain rate and adhesive energy dependent viscoplastic damage modeling for nanoparticulate composites: Molecular dynamics and micromechanical simulations. <i>Applied Physics Letters</i> , 2014 , 104, 101901 | 3.4 | 10 |
| 37 | A computational library for multiscale modeling of material failure. <i>Computational Mechanics</i> , 2014 , 53, 1047-1071 | 4 | 307 |

| | | | |
|----|--|-----|----|
| 36 | Material damage evaluation with measured microdefects and multiresolution numerical analysis. <i>International Journal of Damage Mechanics</i> , 2014 , 23, 537-566 | 3 | 18 |
| 35 | A numerical analysis of interface damage effect on mechanical properties of composite materials. <i>Mechanics Research Communications</i> , 2014 , 62, 18-24 | 2.2 | 6 |
| 34 | A semi-concurrent multiscale approach for modeling damage in nanocomposites. <i>Theoretical and Applied Fracture Mechanics</i> , 2014 , 74, 30-38 | 3.7 | 69 |
| 33 | A micro-macro model for porous geomaterials with inclusion debonding. <i>International Journal of Damage Mechanics</i> , 2015 , 24, 1026-1046 | 3 | 11 |
| 32 | Micromechanical modeling of damage and load transfer in particulate composites with partially debonded interface. <i>Composite Structures</i> , 2016 , 155, 77-88 | 5.3 | 17 |
| 31 | A micromechanics based constitutive model for fibre reinforced cementitious composites. <i>International Journal of Solids and Structures</i> , 2017 , 110-111, 152-169 | 3.1 | 11 |
| 30 | A return mapping algorithm for elastoplastic and ductile damage constitutive equations using the subloading surface method. <i>International Journal for Numerical Methods in Engineering</i> , 2018 , 113, 1729-1754 | 2.4 | 20 |
| 29 | Micromechanics based damage model for predicting compression behavior of polymer concretes. <i>Mechanics of Materials</i> , 2018 , 117, 126-136 | 3.3 | 11 |
| 28 | Analytical Micromechanics Models for Elastoplastic Behavior of Long Fibrous Composites: A Critical Review and Comparative Study. <i>Materials</i> , 2018 , 11, | 3.5 | 18 |
| 27 | Progressive damage through interface microcracking in cementitious composites: A micromechanics based approach. <i>International Journal of Solids and Structures</i> , 2018 , 150, 230-240 | 3.1 | 5 |
| 26 | Thermal, physical properties and flammability of silane treated kenaf/pineapple leaf fibres phenolic hybrid composites. <i>Composite Structures</i> , 2018 , 202, 1330-1338 | 5.3 | 75 |
| 25 | Viscoelastic damage behavior of fiber reinforced nanoparticle-filled epoxy nanocomposites: Multiscale modeling and experimental validation. <i>Composites Part B: Engineering</i> , 2019 , 174, 107005 | 10 | 14 |
| 24 | Dynamic and thermo-mechanical properties of hybridized kenaf/PALF reinforced phenolic composites. <i>Polymer Composites</i> , 2019 , 40, 3814-3822 | 3 | 44 |
| 23 | A viscoelastic damage model for nanoparticle/epoxy nanocomposites at finite strain: A multiscale approach. <i>Journal of the Mechanics and Physics of Solids</i> , 2019 , 128, 162-180 | 5 | 14 |
| 22 | Experimental and analytical investigations of the tensile behavior of graphene-reinforced polymer nanocomposites. <i>Mechanics of Advanced Materials and Structures</i> , 2020 , 27, 2090-2099 | 1.8 | 6 |
| 21 | Damage evolution in fibrous composites caused by interfacial debonding. <i>International Journal of Damage Mechanics</i> , 2020 , 29, 67-85 | 3 | 8 |
| 20 | Alkali treated coir/pineapple leaf fibres reinforced PLA hybrid composites: Evaluation of mechanical, morphological, thermal and physical properties. <i>EXPRESS Polymer Letters</i> , 2020 , 14, 717-730 | 3.4 | 44 |
| 19 | Thermal Stability and Dynamic Mechanical Analysis of Benzoylation Treated Sugar Palm/Kenaf Fiber Reinforced Polypropylene Hybrid Composites. <i>Polymers</i> , 2021 , 13, | 4.5 | 4 |

| | | | |
|----|--|-----|---|
| 18 | A Finite Element Study to Investigate the Mechanical Behaviour of Unidirectional Recycled Carbon Fibre/Glass Fibre-Reinforced Epoxy Composites. <i>Polymers</i> , 2021 , 13, | 4.5 | 2 |
| 17 | Interface energy effect on effective elastoplastic behavior of spheroidal particle reinforced metal matrix nanocomposites. <i>International Journal of Solids and Structures</i> , 2021 , 233, 111211 | 3.1 | 0 |
| 16 | Effective Elastic Properties of 3-Phase Particle Reinforced Composites with Randomly Dispersed Elastic Spherical Particles of Different Sizes. <i>CMES - Computer Modeling in Engineering and Sciences</i> , 2021 , 129, 1-24 | 1.7 | |
| 15 | Viscoelastic Damage Behavior of Fiber Reinforced Nanoparticle-Filled Epoxy Nanocomposites: Multiscale Modeling and Experimental Validation. <i>Research Topics in Aerospace</i> , 2021 , 377-410 | | |
| 14 | Micromechanics-based Analysis on Tensile Behavior of the Sprayed FRP Composites with Chopped Glass Fibers. <i>Journal of the Computational Structural Engineering Institute of Korea</i> , 2012 , 25, 211-217 | 0.1 | 2 |
| 13 | Micromechanical Elastoplastic-Damage Modeling of Evolutionary Interfacial Arc Debonding for Fiber-Reinforced Composites. 2013 , 1-35 | | |
| 12 | Fiber Cracking and Elastoplastic Damage Behavior of Fiber Reinforced Metal Matrix Composites. 2013 , 1-28 | | |
| 11 | Micromechanical Elastoplastic Damage Modeling of Evolutionary Interfacial Arc Debonding for Fiber Reinforced Composites. 2015 , 1055-1092 | | |
| 10 | Fiber Cracking and Elastoplastic Damage Behavior of Fiber Reinforced Metal Matrix Composites. 2015 , 1023-1053 | | |
| 9 | Constitutive Model of Discontinuously-Reinforced Composites Taking Account of Reinforcement Damage and Size Effect and Its Application. <i>Advanced Structured Materials</i> , 2015 , 489-527 | 0.6 | |
| 8 | Micro-Damage and Constitutive Relation Analysis of Particulate-Reinforced Composites. <i>International Journal of Mechanics Research</i> , 2016 , 05, 63-74 | 0.2 | |
| 7 | Multiparticle Effective Field and Related Methods in Micromechanics of Random Structure Composites. 2022 , 311-401 | | |
| 6 | A micromechanics-based damage constitutive model considering microstructure for aluminum alloys. <i>International Journal of Plasticity</i> , 2022 , 157, 103390 | 7.6 | 1 |
| 5 | Modeling of the mechanical properties of fused deposition modeling (FDM) printed fiber reinforced thermoplastic composites by asymptotic homogenization. 2022 , 31, 263498332211322 | | 1 |
| 4 | Multi-level micromechanics-based homogenization for the prediction of damage behavior of multiscale fiber-reinforced composites. 2023 , 303, 116332 | | 0 |
| 3 | Study of the effect of random interfacial debonded on the elastic constants of carbon fiber composites. 1-10 | | 0 |
| 2 | Analysis of the thermodynamic characteristics of particle reinforced multifarious compositions. 2022 , 2390, 012025 | | 0 |
| 1 | Multiscale fatigue damage model for CFRP laminates considering the effect of progressive interface debonding. 1-13 | | 0 |

